

Proteoliposomes

Full-Length

PCDHA1 (Human) Recombinant Protein

Catalog # H00056147-G01

Size 10 ug

Specification

Product Description

Human PCDHA1 full-length ORF (AAI6697.1) recombinant protein without tag.
This product is belong to Proteoliposome (PL).

Sequence

MVFSRRGGLGARDLLLWLLLLAAWEVGSGQLHYSIPEEAKHGTFVGRVAQDLGLELAELVPRLF
RVASKTHRDILLEVNQLNGILFVNSRIDREELCQWSAECSIHLELIADRPLQVFHVEVKVKDINDNPP
VFRGREQIIFIPESRLNSRFPIEGAADADIGANALLTYTLSPSDYFSLDVEASDELSKSLWLELRKY
LDREETPELHLLLTATDGGKPELQGTVELLITVLDVNDNAPLFDQAVYRVHLLLETTANGTLVTTLNA
SDADEGVNGEVVFSFDSGISRDIQEKFKVDSSSGEIRLIDKLDYEETKSYEIQVKAVDKGSPPMNSN
HCKVLVKVLDVNDNAPELAVTSLYLPREDAPLSTVIALITVSDRDSGANGQVTCSLMPHVPFKL
STFKNYSLVLDSALDRESLSVYELVVTARDGGSPSLWATARVSVEVADVNDNAPAFAPQPEYTV
FVKENNPPGCHIFTVSARDADAQENALVSYSLVERRVGERALSNNYSVHAESGKVYALQPLDHE
ELELLQFQPRQPNPDWRYASLRAGMHSSVHLEEAGILRAGPGGPDQQWPTVSSATPEPEAGE
VSPPVGAGVNSNSWTFKYGPGNPKQSGPGELPDKFIIPGSPAISIRQEPTNSQIDKSDFITFGKKE
ETKKKKKKKKGNKTQEKKKEGNSTTDNSDQ

Host

Wheat Germ (in vitro)

Theoretical MW (kDa)

75.5

Interspecies Antigen Sequence

Mouse (83); Rat (83)

Form

Liquid

Preparation Method

[in vitro wheat germ expression system with proprietary liposome technology](#)

Purification

None

Recommend Usage

Heating may cause protein aggregation. Please do not heat this product before electrophoresis.

Storage Buffer

25 mM Tris-HCl of pH8.0 containing 2% glycerol.

Storage Instruction

Store at -80°C. Aliquot to avoid repeated freezing and thawing.

Note

Best use within three months from the date of receipt of this protein.

Applications

- Antibody Production

Gene Info — PCDHA1

Entrez GeneID [56147](#)

GeneBank Accession# [BC166697.1](#)

Protein Accession# [AAI66697.1](#)

Gene Name PCDHA1

Gene Alias PCDH-ALPHA1

Gene Description protocadherin alpha 1

Omim ID [606307](#)

Gene Ontology [Hyperlink](#)

Gene Summary

This gene is a member of the protocadherin alpha gene cluster, one of three related gene clusters tandemly linked on chromosome five that demonstrate an unusual genomic organization similar to that of B-cell and T-cell receptor gene clusters. The alpha gene cluster is composed of 15 cadherin superfamily genes related to the mouse CNR genes and consists of 13 highly similar and 2 more distantly related coding sequences. The tandem array of 15 N-terminal exons, or variable exons, are followed by downstream C-terminal exons, or constant exons, which are shared by all genes in the cluster. The large, uninterrupted N-terminal exons each encode six cadherin ectodomains while the C-terminal exons encode the cytoplasmic domain. These neural cadherin-like cell adhesion proteins are integral plasma membrane proteins that most likely play a critical role in the establishment and function of specific cell-cell connections in the brain. Alternative splicing has been observed and additional variants have been suggested but their full-length nature has yet to be determined. [provided by RefSeq]

Other Designations KIAA0345-like 13

Disease

- [Bipolar Disorder](#)
- [Schizophrenia](#)